

## ABSTRACT

An object of the present invention is to provide a diagnostic sensor and a diagnostic system capable of easily detecting abnormality in a human body by a simple apparatus without using a conventional testing method of removing a part of tissues and/or taking blood, which gives pain to the patient, and examining the part of tissues and/or blood under a microscope for long time.

A diagnostic sensor of the present invention includes: detecting means (2) for detecting any of various pathogens existing in a part of a living body and/or body fluid of the living body or a gas emitted from the living body, or an antigen (S) or ligand corresponding to abnormality or disease; and signal generating means (semiconductor integrated circuit 1) for generating a signal when the detecting means (2) detects any of the pathogens, antigen (S), or ligand.

In the diagnostic sensor (A) of the present invention or a diagnostic system (B) of the present invention using the diagnostic sensor, an electric change is generated when a pathogen, antigen (S), or ligand as a cause of development of odor at the time of abnormality, so that by checking a signal from the sensor, the presence or absence of abnormality can be easily determined. Thus, abnormality in a human body can be detected without removing a part of tissues and/or taking blood, which gives pain to the patient.